

ABSTRACT

THE EFFECT OF GIVING COMBINATION OF TYPES AND PORASI DOSAGES ON THE GROWTH AND YIELD OF SHALLOTS (*Allium ascalonicum* L.)

By

**Rida Parida
NPM 175001026**

Supervisor:

**Rudi Priyadi
Dedi Natawijaya**

One of the efforts to increase the yield of shallots through cultivation techniques is fertilization. Fertilization is the provision of fertilizers to increase the supply of nutrients needed by plants to increase production and quality of crop yields. The purpose of this study was to obtain the combination of types and dosages that had the best effect on the growth and yield of shallot (*Allium ascalonicum* L.). The research was carried out from February to April 2021 at the Experimental Garden of the Faculty of Agriculture, Siliwangi University, Mugarsari Village, Tamansari District, Tasikmalaya City at an altitude of 374 meters above sea level. This study used an experimental method with a Randomized Block Design (RAK) consisting of 7 treatments and repeated 4 times, namely, P0 = control (without porasi), P1 = goat manure porasi 10 tons/ha, P2 = chicken manure porasi 10 tons/ha, P3 = goat manure porasi 20 tons/ha, P4 = chicken manure porasi 20 tons/ha, P5 = goat manure porasi 5 tons/ha + chicken manure porasi 5 tons/ha, P6 = goat manure porasi 10 tons/ha + chicken manure porasi 10 tons/ha. The results showed that the porasi of goats and chickens had an effect on plant height at the age of 30 HST and 45 HST. The porasi of chicken manure 20 tons/ha and the combination of goat manure 10 tons/ha + chicken manure 10 tons/ha tended to have a better effect on plant height at 30 HST and 45 HST.

Key words: Fertilization, type and dose of porasi, growth, yield